Specifications — TPS150: TPT150 and TPR150

Video

Gain	Unity
Crosstalk	-42 dB @ 10 MHz
Number/signal type	1 set of proprietary analog signals
Connectors	1 RJ-45 female jack

Video input

Number/signal type	
TPT150	1 VGA-UXGA RGBHV with 1 RGB buffered local monitor loop-through 1 VGA-UXGA RGBHV 2 component video (Y, R-Y, B-Y), or S-video, or composite video
TPR150	1 set of proprietary analog signals from a TPT150
Connectors	
TPT 150	2 female 15-pin HD (RGB input) 1 female 15-pin HD (RGB loop-through) 2 sets of [3 female RCA (component video), 1 female RCA (composite), 1 female 4-pin mini DIN (S-video)]
TPR150	1 female RJ-45 jack
Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB 0.3 Vp-p for R-Y and B-Y of component video, and for C of S-video
Minimum/maximum levels	Analog: 0.3 V to 1.5 Vp-p with no offset at unity gain
Impedance	75 ohms
Return loss	<-40 dB @ 5 MHz
DC offset (max. allowable)	±50 mV

Video output

Number/signal type	
TPT150	1 set of proprietary analog signals
TPR150	1 RGBHV 1 component video (Y, R-Y, B-Y) 1 S-video 1 composite video
Connectors	
TPT150	1 female RJ-45 jack
TPR150	1 female 15-pin HD (RGB) 3 female RCA (component video) 1 female 4-pin mini DIN (S-video) 1 female RCA (composite video)
Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB 0.3 Vp-p for R-Y and B-Y of component video, and for C of S-video ± 0.1 Vp-p with 50' of TP cable between the TPT150 and TPR150
Minimum/maximum levels	0.24 V to 1.5 Vp-p
Impedance	75 ohms
Return loss	-22 dB @ 5 MHz
DC offset	±30 mV with input at 0 offset

Sync

Input type	RGBHV
Output type	RGBHV
Standards	NTSC 3.58, NTSC 4.43, PAL, SECAM
Input level	2.3 V to 4.6 Vp-p, unterminated
Output level	3.2 V to 4.6 Vp-p, unterminated

Input impedance	1k ohms
Output impedance	75 ohms
Max. input voltage	4.6 Vp-p
Max. propagation delay	760 ns
Max. rise/fall time	35 ns
Polarity	Negative

Audio — TPT150 only

Gain	-30 dB to +9 dB, adjustable
Frequency response	20 Hz to 20 kHz, ±5 dB
THD + Noise	0.04% @ 1 kHz at nominal level
S/N	>-80 dB at maximum output
Crosstalk	<-80 dB @ 20 kHz, fully loaded
Stereo channel separation	>-70 dB @ 1 kHz

Audio input — TPT150 only

Number/signal type	4 stereo, unbalanced
Connectors	4 pairs of RCA connectors
Impedance	>7.8k ohms unbalanced, DC coupled
Nominal level	2.22 dBu (1 Vrms)
Maximum level	+9 dBu, (unbalanced) at 1%THD+N

NOTE *0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu*

Audio output — TPT150 only

Number/signal type	1 stereo, balanced/unbalanced
Connectors	(1) 3.5 mm captive screw connector, 5 pole
Impedance	51 ohms unbalanced
Gain error	±0.5 dB channel to channel
Maximum level (Hi-Z)	>+8 dBu, balanced or unbalanced at 1% THD+N
Maximum level (600 ohm)	>+4.2 dBm, balanced or unbalanced at 1% THD+N

Control/remote — transmitter (TPT150)

Serial control port	RS-232, 9-pin male D connector
Baud rate and protocol	38400, 19200, 9600 (default), 4800, 2400, or 1200 baud (configurable); 8 data bits; 1 (default) or 2 stop bits; no parity (default), or even or odd parity
Serial control pin configurations	2 = RX, 3 = TX, 5 = GND
Contact closure	(1) 3.5 mm captive screw connector, 8 pole for a CTP150CM control panel or locally constructed device
Contact closure pin configurations	1 = input 1, 2 = input 2, 3 = input 3, 4 = input 4, 5 = volume up, 6 = volume down, 7 = projector power, 8 = GND
Program control	Inline Control Software for Windows® – lCS100

Control — projector (TPR only)

Projector control port	RS-232, 9-pin male D connector
Baud rate and protocol	38400, 19200, 9600 (default), 4800, 2400, or 1200 baud (configurable); 8 data bits; 1 (default) or 2 stop bits; no parity (default), or even or odd parity

General

Power	100 VAC to 240 VAC, 50 to 60 Hz, internal, autoswitchable TPT150: 9 watts TPR150: 20 watts
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +104 °F (0 to +40 °C) / 10% to 90%, noncondensing

Rack mount	
TPT150	Yes, with included brackets, part #MTR102
TPR150	No, but projector pole mountable with included L brackets
Enclosure type	Metal
Enclosure dimensions	
TPT 150	1.7" H x 17.0" W x 11.5" D (1U high, full rack wide) 4.3 cm H x 43.2 cm W x 29.2 cm D (Depth excludes connectors. Width excludes rack ears. Height excludes rubber feet.)
TPR150	1.7" H x 11.75" W x 6.0" D (1U high) 4.3 cm H x 29.8 cm W x 15.2 cm D (Depth excludes connectors. Width excludes rack ears. Height excludes rubber feet.)
Product weight	
TPT150	5.2 lbs (2.4 kg)
TPR150	2.2 lbs (1.0 kg)
Shipping weight	13 lbs (6 kg)
DIM weight	
USA/Canada	11 lbs (5 kg)
International	12 lbs (6 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE *All nominal levels are at ±10%*

NOTE *Specifications are subject to change without notice.*

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